

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/US2004/024335

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 973 481 A (THOMSON WILLIAM R ET AL) 26 October 1999 (1999-10-26) column 2, line 25 - column 5, line 38 column 7, line 4 - line 10 column 7, line 61 - column 10, line 26 column 15, line 59 - column 16, line 19 column 19, line 58 - column 20, line 37 -----	1-24
A	EP 1 202 594 A (KURITA WATER IND) 2 May 2002 (2002-05-02) paragraph '0009! - paragraph '0016! paragraph '0032! - paragraph '0037! -----	1,21,23, 24
A	WO 03/056680 A (ABB RESEARCH LTD ; JULIAN DANNY (US); PETRIE EDWARD M (US); BAYOUMI DE) 10 July 2003 (2003-07-10) page 4, line 21 - page 5, line 16 page 8, line 23 - page 11, line 10 -----	1,21,23, 24

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

27/12/2004

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5973481	A	26-10-1999	US CA	5734255 A 2196013 A1	31-03-1998 14-09-1997
EP 1202594	A	02-05-2002	JP BR CA CN EP US	2002125316 A 0104961 A 2358745 A1 1368775 A 1202594 A2 2002123974 A1	26-04-2002 28-05-2002 13-04-2002 11-09-2002 02-05-2002 05-09-2002
WO 03056680	A	10-07-2003	US WO	2004024494 A1 03056680 A2	05-02-2004 10-07-2003